

## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : MG 85S

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use for agriculture (nutrients/ trace elements for plants)

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : AGRONUTRITION SAS..

Address : Parc Activestre - 3 avenue de l'Orchidée.31390.CARBONNE.FRANCE.

Telephone : +33 (0)5 61 97 85 00. Fax : +33 (0)5 61 97 85 01.

fds-msds@agro-nutrition.fr

<http://www.agronutrition.com>

Distributed by: DeSangosse New Zealand Ltd, PO Box729,Tauranga,3144 / Ph:07 571 0908, Fax:0800 432 352  
infonz@desangosse.com

#### 1.4. Emergency telephone number : +0800 764 766 .

Association/Organisation : New Zealand National Poisons Centre : poisons@otago.ac.nz.

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### GHS compliant.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2. Label elements

##### GHS compliant.

Precautionary statements - General :

P102

Keep out of reach of children.

Precautionary statements - Prevention :

P201

Obtain special instructions before use.

P270

Do not eat, drink or smoke when using this product.

P273

Avoid release to the environment.

Precautionary statements - Disposal :

P501

Dispose of contents/ container to an approved waste disposal plant.

#### 2.3. Other hazards

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

No substance fulfils the criteria specified in annexe 4, section 4.3.3.2 of the GHS.

MG 85S

## SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

### 4.1. Description of first aid measures

#### In the event of exposure by inhalation :

Remove the victim to fresh air. In case of respiratory problems, consult a doctor/medical service.

#### In the event of splashes or contact with eyes :

Flush immediately with plenty of water for 15 minutes keeping the eyelids open. If there is any pain, redness or visual impairment, consult an ophthalmologist.

#### In the event of splashes or contact with skin :

Wash with plenty of water and soap. In case of redness or irritation, consult a doctor/medical service.

#### In the event of swallowing :

Seek medical attention, showing the label.

Give nothing by mouth. Do not induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/lesions after inhalation: cough, respiratory tract irritation.

Symptoms/lesions after skin contact : skin irritation, redness.

Symptoms/lesions after eye contact : corrosion, irritation of eye tissues.

Symptoms/lesions after ingestion: abdominal pain, nausea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Provide eye baths on site.

## SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

### 5.1. Extinguishing media

#### Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- powder
- carbon dioxide (CO<sub>2</sub>)

The choice of the method depends on the other products present.

Do not use a strong water jet, danger of spreading of the product.

### 5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- sulphur dioxide (SO<sub>2</sub>)

### 5.3. Advice for firefighters

Precautions against fire: like in case of all fires involving chemicals, wear appropriate protective equipment (chemical protective clothing, boots and gloves).

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

#### For non first aid worker

If spill is large, evacuate all personnel and only allow intervention by trained operators and equipped with individual protection equipment appropriate (refer to Section 8).

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

MG 85S

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

**6.3. Methods and material for containment and cleaning up**

Clean preferably with a detergent, do not use solvents.

Accidental, ventilate the area and recovered by pumping the product for re-use (preferably) spill. If the operation of pumping is not suitable, cover the product dry sand or vermiculite. Mix and make its removal by scanning. Transfer to a suitable container (dumpster) properly labeled and proceed to disposal by a company authorized to waste collection.

**6.4. Reference to other sections**

See section 1 for information about emergency contact.

See section 13 for obtain additional information on waste treatment.

See section 8 for information on personal protection equipments.

See section 7 for information on safe handling.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Storage**

Keep out of reach of children.

Keep away from food, drink and animal feedingstuffs.

Storage temperature: 0-35°C

**Packaging**

Always keep in packaging made of an identical material to the original.

Replace the label in case of split of packaging.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

No data available.

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

## MG 85S

**- Hand protection**

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Natural latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

**- Body protection**

Suitable type of protective clothing :

Wear suitable protective clothing, in particular overalls and boots. These items must be kept in good condition and cleaned after use.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

If the setting oeuvre the product and its application (spray atomization) is generating aerosol or fine particles liquids, it is recommended to wear a respirator, properly fitted.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

No data available.

**Physical state**

Physical state : Fluid liquid.  
State Soluble concentrate (SL)

**Colour**

Color Translucent

**Odour**

Odour threshold : Not stated.  
Odor Odorless

**Melting point**

Melting point/melting range : Not relevant.

**Freezing point**

Freezing point / Freezing range : - 11°C

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : > 90°C  
Method for determining the boiling point :  
ISO 3405 (Petroleum products - Determination of distillation characteristics at atmospheric pressure).

**Flammability**

Flammability (solid, gas) : Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.  
Explosive properties, upper explosivity limit (%) : Not stated.

**Flash point**

Flash point interval : Not relevant.  
Method for determining the flash point:  
ISO 3679 (Determination of flash point - Rapid equilibrium closed cup method).  
Flash Point : > 93 °C

**Auto-ignition temperature**

Self-ignition temperature : Not relevant.

**Decomposition temperature**

Decomposition point/decomposition range : Not relevant.

**pH**

pH (aqueous solution) : 6.7 +/-0.6 (1 %)  
pH : 8.80 +/-0.6.  
Slightly basic.

## MG 85S

**Kinematic viscosity**

Viscosity : 10 s

**Solubility**

Water solubility : Soluble.

Fat solubility : Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**Density : 1225 (+/-1.5%) g/dm<sup>3</sup>**Relative vapour density**

Vapour density : ND

**9.2. Other information**

No additional information.

**9.2.1. Information with regard to physical hazard classes**

Mixture not classified on physical hazards

**9.2.2. Other safety characteristics**

No additional information.

**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

No dangerous reaction known under normal conditions of use and storage.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

According to our knowledge, this product does not present any particular hazard under normal conditions of use and storage.

**10.4. Conditions to avoid**

Avoid :

- frost
- heat
- exposure to light

**10.5. Incompatible materials**

Keep away from :

- strong acids
- strong oxidising agents
- strong bases

**10.6. Hazardous decomposition products**

The product does not decompose when used for its intended purpose.

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Not classified. Based on the available data, the classification criteria are not met.

**11.1.1. Substances**

No toxicological data available for the substances.

**11.1.2. Mixture****Acute toxicity :**

Not classified. Based on the available data, the classification criteria are not met.

**Skin corrosion/skin irritation :**

Not classified. Based on the available data, the classification criteria are not met.

**Serious damage to eyes/eye irritation :**

Not classified. Based on the available data, the classification criteria are not met.

**Respiratory or skin sensitisation :**

Not classified. Based on the available data, the classification criteria are not met.

MG 85S

**Germ cell mutagenicity :**

Not classified. Based on the available data, the classification criteria are not met.

**Carcinogenicity :**

Not classified. Based on the available data, the classification criteria are not met.

**Reproductive toxicant :**

Not classified. Based on the available data, the classification criteria are not met.

**Specific target organ systemic toxicity - single exposure :**

Not classified. Based on the available data, the classification criteria are not met.

**Specific target organ systemic toxicity - repeated exposure :**

Not classified. Based on the available data, the classification criteria are not met.

**Aspiration hazard :**

Not classified. Based on the available data, the classification criteria are not met.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

The mixture does not contain substances identified as disrupting the endocrine system for human health.

**SECTION 12 : ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**12.1.2. Mixtures**

Not classified. Based on the available data, the classification criteria are not met.

**12.2. Persistence and degradability**

**12.2.2. Mixtures**

This product is considered readily biodegradable (slightly hazardous) and it is very soluble in water. Ensure that all flow not not resulted in the aquatic environment, or any sewer or drain. When using, do not spill the product beyond the cultivated areas (hedges, edges, ditches, streams).

**12.3. Bioaccumulative potential**

**12.3.2. Mixtures**

No bioaccumulation data is available.

**12.4. Mobility in soil**

No information is available on mobility in soil. It is therefore essential to avoid at all costs that it spills into sewers or waterways. Prevent it from entering the ground.

**12.5. Results of PBT and vPvB assessment**

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

**12.6. Endocrine disrupting properties**

The mixture does not contain substances identified as disrupting the endocrine system for the environment  $\geq 0.1\%$ .

**12.7. Other adverse effects**

No information is available on other adverse environmental effects.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**Local arrangements :**

Product must be disposed of in accordance with local and national regulations.

## SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

### 14.1. UN number

-

### 14.2. UN proper shipping name

-

### 14.3. Transport hazard class(es)

-

### 14.4. Packing group

-

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

-

## SECTION 15 : REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The following regulations have been used:

- Globally Harmonized System of Classification and Labelling of Chemicals (GHS), review no. 8 (2019)

#### - Container information:

No data available.

#### - Particular provisions :

No data available.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Abbreviations :

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.